

Rev A Dwg 5.18/31



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PRELIMINARY ISSUE
DAS 35 9-89

D5573-2

Job Sheet 171987

Accounting Job RD17-1046-01



Part No: D5573-2

Job Qty: 2 ea

Part Name: Base Bracket, Upper Cable Cutter, RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/9/18

Job Tracking No:

Due Date: 2/23/18

Created By: Michelle Gagnon-Donovan

Type: R+D

Description:

Note: TBD DWG D5573-2 REV:A IPP REV A 18.02.05 NEW ISSUE RQ VERIFIED BY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		2/22/18	0.00	0.00	Start Up Machining-1		DAS
110	CNC Vertical Machining	2 pcs		2/22/18	0.00	0.60	HAAS1-1		08 18-03-22
120	QC	2 pcs		2/22/18	0.00	0.00	QC2 Machining-1		08-09
130	QC	2 pcs		2/22/18	0.00	0.00	QC8 Machining-1		1.8 18-03-22
135	Outsource	2 pcs		2/22/18	0.00	0.20	HandFinish1	PO032408	1.8 18-03-22
140	Packaging	2 pcs		2/22/18	0.00	0.00	QC7.5	2	18-04-18
145	HandFinish	2 pcs		2/23/18	0.00	0.10	Spray Paint		DAS
150	QC	2 pcs		2/23/18	0.00	0.00	QC14		DAS 11 APR 18 2018
180	Packaging	2 pcs		2/23/18	0.00	0.00	Packaging3-1	CCK1316	APR 18 2018
190	QC21-SA	2 Ea		2/23/18	0.00	0.00	QC21		9-89 18-04-20

Part Op 110 - 1-Machine per folio FB767 DWG REV: FOLIO REV: 2- deburr and break all sharp edges

Descriptions: 120 - QC2- Inspect parts off machine FAI/FAIB

130 - QC8- Inspect parts - second check

135 - Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5573 Certification of Conformity is required.

140 - Certification of Conformity is required.

145 - PRIME AS PER DWG AND QSI005, SEE NOTE #2. PRIME USING MIL-PRF-23377 PRIMER

BATCH:

180 - Identify as per dwg & Stock Location:

190 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S1.750X3.000	7075-T6 Sheet 1.750" X 3.000"	1.2000 ft (.6 ea)	90-Start up Operation	5034218

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6S1.750X3.000	1	33	0

Part Specifications

Specifications could not be found.

Approved 18/03/18

Plex 3/1/18 4:07 PM Dart Gagnon, Michelle

POSITIVE RECALL

EFFECTIVE MAR 01 2018

RELEASED 18/03/18

DATE 5

Released Dwg



Container No: S054064



Part: D5573-2

Job No: 171987

Serial No/Batch: S054064

Revision: A

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 832-6200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/22/18

DART AEROSPACE LTD		Work Order:	
Description:		Part Number:	
Inspection Dwg:	Rev:	Page 1 of 1	

INSPECTION SHEET

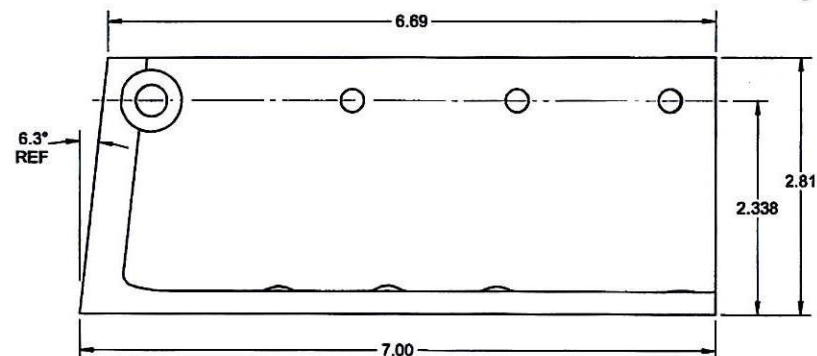
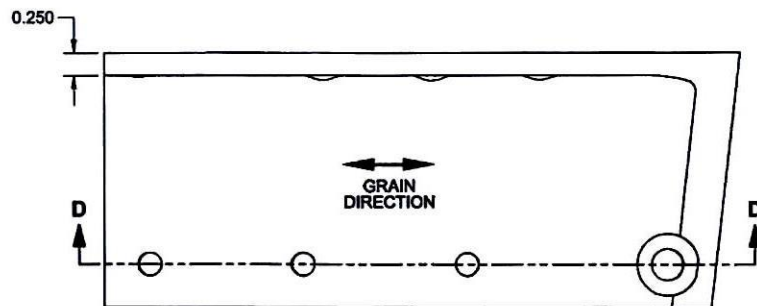
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
6.69	+/- .030	6.690	✓		SLIO	Ver U
7.00	+/- .030	7.000	✓			
2.81	+/- .030	2.810	✓			
2.338	+/- .030	2.338	✓			
.94	+/- .030	.940	✓			
.090	+/- .030	.090	✓			
R.25	+/- .030	.250	✓		Rad gauge	
R69.04	+/- .030	69.04	✓		"	
R68.10	+/- .030	68.10	✓		"	
1.02	+/- .030	1.020	✓			
.31	+/- .030	.310	✓			
.50	+/- .030	.500	✓			
2.50	+/- .030	2.500	✓			
R.13	+/- .030	.130	✓		Rad gauge	
.602	+/- .010	.602	✓			
.38	+/- .030	.380	✓			
2.031	+/- .005	2.031	✓			
1.200	+/- .005	1.200	✓			
2.400	+/- .005	2.400	✓			
R.19	+/- .030	.190	✓			
φ.682	+/- .010	.683	✓			
.135	+/- .010	.135	✓			
φ.348	+ .006/- .001	.348	✓			
φ.257	+ .006/- .001	.258	✓			
.250	+/- .010	.250	✓			
.51	+/- .030	.510	✓			
1.681	+/- .005	1.681	✓			
1.806	+/- .005	1.806	✓			
2.208	+/- .005	2.208	✓			

DAS

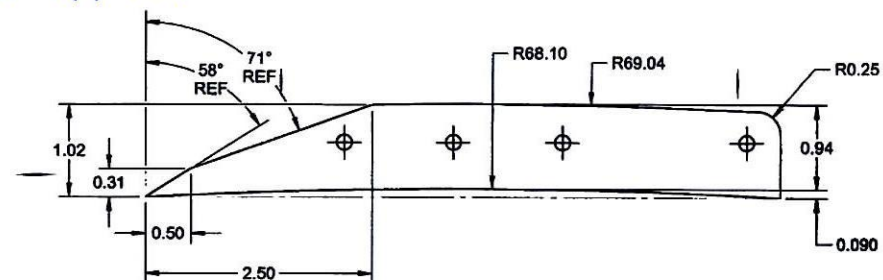
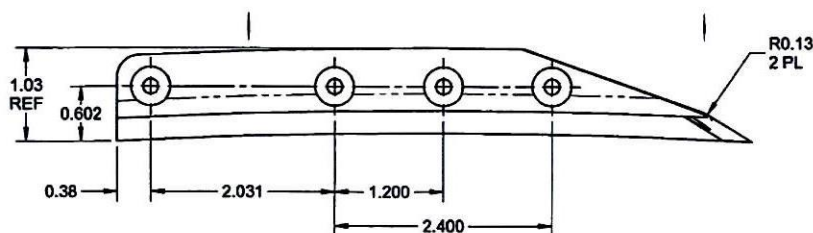
Measured by:	08	Checked by:	20	QC Inspector:	
Date:	18-03-22	Date:	18-03-22	Date:	

Engineering Approval: (If necessary)		Date:	
--	--	--------------	--

Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	



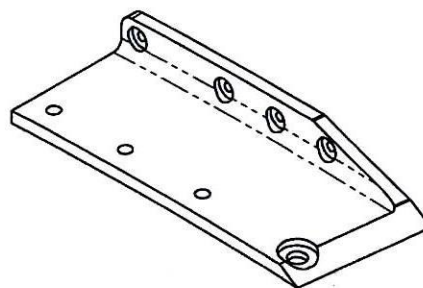
Job# 171987



D5573-2 BASE BRACKET, UPPER, CABLE CUTTER (RH)

NOTES:

- 1) MATERIAL: 7075-T6 (OR T651/T6510/T6511/T652) ALUMINUM BAR
PER AMS-QQ-A-225/9 (OR AMS 4122/4123/4186/4187) OR
PER AMS-QQ-A-200/11
REF DART SPEC M7075T6B
OR: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE
PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR
AMS 4045 OR ASTM B209
REF DART SPEC M7075T6S
- 2) FINISH: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR = BLACK
PRIME USING MIL-PRF-23377, 1-2 MIL MAX, PER DART QSI 005 4.2.1.3.2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: 0.55 lbs



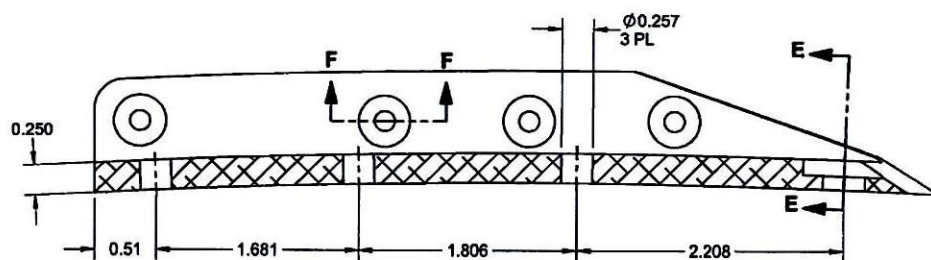
RELEASED

2018 FEB 28

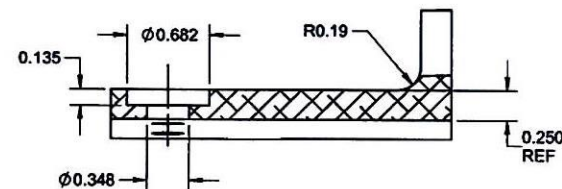
APPROVED

DESIGN	AJS	DART AEROSPACE USA, INC.	
DRAWN	CP	EUGENE, OR	
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	JFS	D5573	SHEET 3 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	CP	BASE BRACKET, UPPER, CABLE CUTTER	NTS
DATE	17.11.15	COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

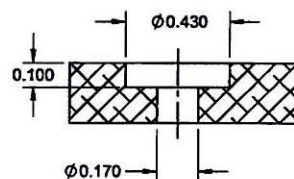
8 7 6 5 4 3 2 1



SECTION D-D
SCALE 1.25X



SECTION E-E



SECTION F-F
4 PL
SCALE 2X

RELEASED
2018 FEB 28

APPROVED

DESIGN	AJS	DART AEROSPACE USA, INC.	
DRAWN	CP	EUGENE, OR	
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	JFS	D5573	SHEET 4 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	CP	BASE BRACKET, UPPER, CABLE CUTTER	NTS
DATE	17.11.15	COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

8 7 6 5 4 3 2 1



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039408**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039408
PO Date: 3/23/18
Due Date: 4/20/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	174171	D5589-1	Gusset, Outboard LH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5589 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$12.35/pcs	\$24.70
2	174168	D5581-2	Clip, Fwd, RH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5581 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$11.50/pcs	\$23.00
3	173983	D5583-1	Radius Block Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5583 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	4 pcs	0 pcs	4 pcs	\$8.85/pcs	\$35.40
4	174173	D5590-1	Gusset, Inboard LH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5590 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$12.35/pcs	\$24.70

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
19	173991	D5585-1	Stringer, LH Aft Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5585 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs /	0 pcs 2x	2 pcs	\$6.50/pcs A118/04/18	\$13.00
20	173994	D5588-1	Stringer, RH Aft Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5588 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs /2x	0 pcs	2 pcs	\$6.50/pcs A118/04/18	\$13.00
21	171987	D5573-2	Base Bracket, Upper Cable Cutter, RH Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5573 Certification of Conformity is required.	Firmed	4/19/18	3 pcs /3x	0 pcs	3 pcs	\$9.20/pcs A118/04/17	\$27.60
Grand Total:										\$561.25

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

DAS
11
8-89

Plex 4/17/18 2:32 PM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914921

Date: 12-Apr-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

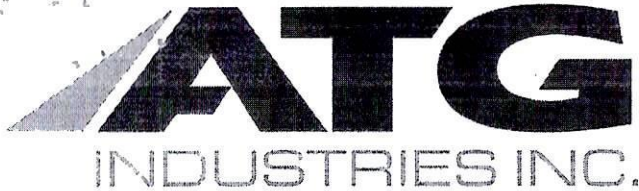
Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
3 ea	Part: D5572-2 Base Bracket, Lower Cable Cutt Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22782		Rev: A PO: PO039408 Line: 10
3 ea	Part: D5573-1 Base Bracket, Upper Cable LH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22785		Rev: A PO: PO039408 Line: 13
2 ea	Part: D5582-1 Aft Angle Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22788		Rev: A PO: PO039408 Line: 16
2 ea	Part: D5581-2 Clip, Fwd. RH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22774		Rev: A PO: PO039408 Line: 2
3 ea	Part: D5573-2 Base Bracket, Upper Cutter RH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22793		Rev: A PO: PO039408 Line: 21
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.			
Made in Canada.			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914921

Date: 12-Apr-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via
		OUR TRUCK
Quantity	Description	
	Date: <u>12/04/2018</u>	
	Certified Signature: <u>[Signature]</u>	
	Receiver Signature: _____	
	A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.	
	Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.	
	Made in Canada.	

1/22/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO638887	DIV001-VU	1	1	Net 30	M7075T6S1-750X3.000	7075-T6 Sheet 1.750" X 3.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft				96	1/8/2018	48		✓ 8054216	Stock	1/22/2018	\$ 44.83 / ft	0	
Total:										96		48							\$

Plex 1/22/2018 11:42 AM Dart Dubois Pascal



14 Connor Lane, Deer Park, NY 11729 Tel: 631.761.6200 Fax: 631.761.6201

Customer PO #	Order Date	SP
PO038697	12/20/17	AB

Sales Order Number	44870
Invoice Date	1/12/2018
Invoice Number	65066

Ship To:

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

# Pkg.	1 BUNDLE
Weight	360 LBS

Ship Date	Shipped Via	Test Reports
1/12/2018	JOURNEY FRT	Y

Item #	Order Qty	U/M	Description	Qty Shipped	Bal. on Order
1	96	FT	7075-T6 ALUMINUM, QQ-A-250/12 OR ASTM B-209 1.75" X 3" X 48" MILL: ARCONIC LOT #: 406161 SHIPPING SCHEDULE: 12 PCS - ASAP 12 PCS - WEEK OF 01/12/18	48 418 P12 DAS 11 9-89 JAN 22 2018	0

PACKING LIST
CERTIFICATE OF COMPLIANCE

We certify that the materials described above conform to the specifications stated.

Callie Vail
Quality Control Manager



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038697**

Supplier: DIV001-VU
Diversified Industrial Products
14 Connor Lane
Deer Park, NY 11803 USA
Phone: 516 822 8300
Fax: 516 822 8332

PO No: PO038697

PO Date: 12/20/17

Due Date: 1/8/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
DEC 20 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M7075T6S1.750X3.000		7075-T6 Sheet 1.750" X 3.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	1/8/18	96 ft	0 ft	96 ft	\$44.8325/ft	\$4,303.92

Recu 1/8/18
SP 18-01-9

Grand Total: \$4,303.92

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/20/17 1:50 PM dart.lavoie.chantal

Chantal Lavoie

From: Anthony Burmeta <anthony@dipmetals.com>
Sent: Wednesday, December 20, 2017 11:08 AM
To: Chantal Lavoie
Cc: Jean-Luc Menard
Subject: RE: 7075-T6 Quote

Importance: High

Chantal,

Yes, we have enough stock to cut from. Revised quote would look as follows:

7075-T6 Domestic (USA)
1.75" x 3" x 4 Feet Long
24 Pieces
PRICE: \$179.33 Each

Estimated ship date: Jan 12th with a prompt order, or 2 weeks ARO (whichever is applicable, we are shutting down Dec 22nd and Reopening Jan 2nd)
FOB Deer Park NY 11729
All Material is Subject to Prior Sale & Availability

Kindest Regards,
Anthony

Anthony Burmeta
DIVERSIFIED INDUSTRIAL PRODUCTS (AS 9100 & ISO 9001 Certified)
14 CONNOR LANE, DEER PARK NY 11729
(631) 761-6200 EXT 110
anthony@dipmetals.com

From: Chantal Lavoie [mailto:clavoie@dartaero.com]
Sent: Wednesday, December 20, 2017 11:44 AM
To: Anthony Burmeta
Cc: Jean-Luc Menard
Subject: RE: 7075-T6 Quote

Thank you Anthony,
Would you have enough for 96 ft, please advise.
Thanks
Chantal

From: Anthony Burmeta [mailto:anthony@dipmetals.com]
Sent: Wednesday, December 20, 2017 9:17 AM
To: Chantal Lavoie <clavoie@dartaero.com>
Cc: Jean-Luc Menard <jmenard@dartaero.com>
Subject: RE: 7075-T6 Quote
Importance: High

Chantal,

We are pleased to offer the following:

7075-T6 Domestic (USA)

1.75" x 3" x 4 Feet Long

12 Pieces

PRICE: \$184.34 Each

Ships 1st week of January with a Prompt Order (We are shutting down Dec 22nd and Reopening Jan 2nd) or within 1 Week ARO whichever is applicable

FOB Deer Park NY 11729

All Material is Subject to Prior Sale & Availability

Kindest Regards,

Anthony

Anthony Burmeta

DIVERSIFIED INDUSTRIAL PRODUCTS (AS 9100 & ISO 9001 Certified)

14 CONNOR LANE, DEER PARK NY 11729

(631) 761-6200 EXT 110

anthony@dipmetals.com

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Sent: Wednesday, December 20, 2017 9:10 AM

To: Anthony Burmeta

Cc: Jean-Luc Menard

Subject: quote

Good morning Anthony,

Please advise if you would have this mat'l in stock, please advise price and delivery on mat'l.

7075-t6 plate 1.750" x 3" x 48 ft

Thanks

Chantal Lavoie

Chantal Lavoie

Purchasing Coordinator

DART AEROSPACE

T 1 613 632-5200

F 1 613 632-1053

E clavoie@dartaero.com

1 800 556-4166

www.dartaerospace.com



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CERTIFIED INSPECTION REPORT

Arconic

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or omissions on this certificate by any recipient may be punished as a felony under applicable law.

Per:

S. N. A. L.
Manda Srinivasan
Manufacturing Director - Davenport & Satellite

Terence Thom
Terence Thom
Quality Assurance Manager

3392610 0
Ship Date B.L. No. Invoice No. Arconic No. Item
2018-01-05 11613717 00000 1000966375-7 DP-66375-01-7
P.O. No./Govt Contract No. Customer Arconic Item

Page 1 of 2

Ship To:
DIVERSIFIED INDUSTRIAL PRODUCTS
14 CONNOR LANE
DEER PARK, NY 11729

Item Description
1.75 IN TK (+.055 -.055) X 48.5 IN W (+.3125 -
0.000) X 144.5 IN LN (+.5 -.0) (N) A/T 7075
T651 RECTANGULAR MILL FINISH, SAWED AMS-QQ-A-250/12 REV A EXC_MRK,
OIL AMS4045 REV L EXC_MRK ASTM209 REV-14
(MARKED)) KRAFT PAPER
INTERLEAVED MAX GROSS SKID WGT: 5000 LB QUAN TOL +/-
40 % CQR 0246852 REV 02 CUST REQ 18-01-
01 *** W/E 18-01-06 ***

Num	Package Ticket	Lot	Weight	Quantity	Unit	Inspector Clock Numbers
1	432949	406161	3716	3	PC	47390
2	432980	406161	3726	3	PC	47390
3	432989	406161	1252	1	PC	47390
			8694	7		

Notes for CQR: 0246852.2

PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PROD UCT
PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

CQR: 0246852.2 -Specification Limits

Temp	Dir	UTS	TYS	ELAD
		KSI	KSI	PCT
T651	Long Transv.	Max		
		Min	77.0	67.0 6

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Other Each	Other Total	Aluminum
Alloy 7075	Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15
	Min			1.2		2.1	0.18	5.1			

DIVERSIFIED INDUSTRIAL PRODUCTS CORP.
CERTIFY THIS A TRUE COPY OF THE
MILL TEST REPORT USED TO FILL YOUR
ORDER.

Company DART AEROSPACE
PO# PO038697
Our Inv. # 65066
Qty. 48 FT
Part # M7075T6S1.750X3.000
QC Dept. Cathi Vail
Cathi Vail

CERTIFIED INSPECTION REPORT

Arconic

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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Per:

S. N. A. K.
Nancy Schwan
Manufacturing Director - Davenport & Bettendorf

Terence Thom
Terence Thom
Quality Assurance Manager

3392610 0
Ship Date B.I. No. Invoice No. Arconic No. Item
2018-01-05 11613717 00000 1000966375-7 DP-66375-01-7
P.O. No./Govt Contract No. Customer Arconic Item

Page 2 of 2

CQR: 0246852.2 -Specification Limits (cont.)

Lot: 406161 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	No->	UTS	TVS	ELAD
		Test	KSI	KSI	PCT
T651	Long Transv.	3	83.1	73.6	11.1
			83.3	74	11
			83.2	73.8	11.1

Cast Number	Chemical - OES	SI	FE	CU	MN	MG	CR	ZN	TI	Other	Each	Other	Total
H9436061	Actuals	0.08	0.26	1.6	0.00	2.5	0.20	5.6	0.02	< 0.05	< 0.15		

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 117075+651.750x3.000

PO / BATCH NO: 038687/5034218

DATE: JAN 22 2018

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 48'
 QUANTITY INSPECTED: 48'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
 THICKNESS RECEIVED: 1.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) (N)	
CORRECT MATERIAL PER M-DRAWING	(Y) (N)	Astm-A-250 QQ-A250
CORRECT THICKNESS	(Y) (N)	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) (N)	Heat# Lot# 406161
CORRECT MATERIAL IDENTIFICATION	(Y) (N)	
CORRECT M# ON THE MATERIAL	(Y) (N)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>11</u>	SIGNED OFF BY: _____		
DATE: <u>JAN 22 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ **PURCHASE MATERIAL:** 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12
OR AMS 4045
OR ASTM B209

OR

△ **PURCHASE MATERIAL:** 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

△ **SPECIFICATION:** QQ-A-250/13 OR AMS-QQ-A-250/13
OR AMS 4048 / 4049
OR ASTM B209

△ **PART NUMBER:** M7075T6S | TTT | X | W.WWW |
| THK | | WIDTH |

△ **WHERE "TTT" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)**

EG. 0.063" THICK SHEET = M7075T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

△ **PREFERRED SIZE:** .TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19
ECN 17-574

8	ADD: REF TO "PLATE", "T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149)		CP	17.05.05
A	NEW ISSUE		RF	10.11.08
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. B SHEET 1 OF 1 SCALE NTS		
DRAWN	CP			
CHECKED	ML			
MFG. APPR.	LL			
APPROVED	WM	TITLE		
DE APPR.	DS	7075-T6 SHEET/PLATE SPEC		
DATE	17.05.05		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPLICIT UNDERSTANDING THAT IT IS NOT TO BE USED BY THE RECIPIENT OR ANY OTHER PARTY FOR ANY PURPOSES OTHER THAN THAT FOR WHICH IT WAS SUPPLIED. DART AEROSPACE LTD	

APPROVED